

# Comparisons of Job Characteristics

**Focus Occupation:** [Hazardous Materials Removal Workers \(47-4041\)](#)

**Associated Occupation:** [Environmental Engineering Technicians \(17-3025\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 34

**Focus Occupation:** Hazardous Materials Removal Workers (47-4041)  
**Associated Occupation:** Environmental Engineering Technicians (17-3025)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Engineering and Technology	5.7	15.8	5.7	<<	Extensive education and/or training may be required
Design	5.2	11.1	4.1	<<	Extensive education and/or training may be required
Building and Construction	4.0	10.6	7.1	<<	Extensive education and/or training may be required
Physics	4.3	10.2	6.9	<<	Extensive education and/or training may be required
Law and Government	5.9	9.5	3.6	<<	Extensive education and/or training may be required
Biology	3.7	6.8	1.2	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 65

**Focus Occupation:** Hazardous Materials Removal Workers (47-4041)  
**Associated Occupation:** Environmental Engineering Technicians (17-3025)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Reading Comprehension	10.7	16.3	9.6	<<	Extensive development of skills in this area may be required
Critical Thinking	10.8	14.5	11.5	<	A higher skill level may be required
Active Learning	8.7	12.6	7.6	<<	Extensive development of skills in this area may be required
Mathematics	6.2	11.3	6.0	<<	Extensive development of skills in this area may be required

Quality Control Analysis	5.9	9.7	7.9	<	A higher skill level may be required
Management of Material Resources	3.7	6.8	4.3	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 76			
Focus Occupation: Hazardous Materials Removal Workers (47-4041) Associated Occupation: Environmental Engineering Technicians (17-3025)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Written Comprehension	11.0	16.6	10.5	<<	Extensive improvement in abilities may be required
Problem Sensitivity	11.1	15.9	13.4	<	Some improvement in abilities may be required
Near Vision	11.1	14.7	10.6	<<	Extensive improvement in abilities may be required
Deductive Reasoning	10.6	14.5	12.0	<	Some improvement in abilities may be required
Inductive Reasoning	10.2	13.6	10.3	<<	Extensive improvement in abilities may be required
Information Ordering	9.9	13.3	10.2	<<	Extensive improvement in abilities may be required
Category Flexibility	9.0	11.8	10.5	<	Some improvement in abilities may be required
Mathematical Reasoning	6.3	10.6	5.9	<<	Extensive improvement in abilities may be required
Number Facility	6.3	10.6	6.8	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 61
<b>Focus Occupation: Hazardous Materials Removal Workers (47-4041)</b> <b>Associated Occupation: Environmental Engineering Technicians (17-3025)</b>		
Work Activities	Exclusivity of Activity	
Follow safe waste disposal procedures	50	
Maintain records, reports, or files	5	
Use government regulations	44	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 65

**Focus Occupation: Hazardous Materials Removal Workers (47-4041)**  
**Associated Occupation: Environmental Engineering Technicians (17-3025)**

Tools and Technologies	Exclusivity
Chemical evaluation instruments and supplies	10
Chromatographic measuring instruments and accessories	16
Computer data input devices	2
Computers	1
Content authoring and editing software	1
Data management and query software	1
Electrochemical measuring instruments and accessories	9
Filters	30
Gas analyzers and monitors	10
Indicating and recording instruments	2
Network applications software	1
Pumps	9
Respiratory protection	6
Safety apparel	4
Sampling equipment	12
Soil measuring equipment	20
Spectroscopic equipment	10
Viewing and observing instruments and accessories	4

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.